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(54) Title: METHODS FOR TREATING STRESS AND AFFECTING BIOLOGICAL IMMUNE SYSTEMS USING A CYSTEAMINE COMPOUND

(57) Abstract: The subject invention provides materials and methods for treating stress and/or augmenting immune response. More specifically, the present invention provides methods for the treatment and/or prevention of stress-related physiological responses; the alleviation of stress-related symptoms; as well as the prevention or delay in development of stress-related complications. The present invention further provides biologically-active compounds that can cause the thymus and spleen to increase in size and, cause an increase in villi length and goblet cell production in mucosae. Specifically exemplified herein is the use of a cysteamine compound to modulate immune responsiveness and/or treat stress.